



PURDUE  
UNIVERSITY®



# KEY OPERATING QUESTIONS

1. How do we add value to a Purdue education?
2. How do we add value to the state?


$$\frac{\text{QUALITY}}{\text{COST}} = \text{VALUE}$$

# MORE RECOGNITION AS A PLACE OF VALUE

## TOP 4 PUBLIC UNIVERSITY IN THE U.S.

WALL STREET JOURNAL / TIMES HIGHER EDUCATION

1. Michigan
2. UCLA
3. UNC
4. Purdue / Berkeley

### Key Metrics for Purdue

**Critical Thinking**

**Graduation Rates**

**Diversity**

**Academic Reputation**

**Mentoring**

**Value Added**  
**Graduate Salary**

**Value Added**  
**Loan Repayment**

**Research**  
**Excellence**

**Financial Resources**  
**Focused on Students**

**Real World**  
**Learning**

# ANOTHER RECORD YEAR

2016 INCOMING CLASS VS. 2013 INCOMING CLASS

**+17,500 Applicants**

**+900 Freshman**

**+10% Hoosiers**

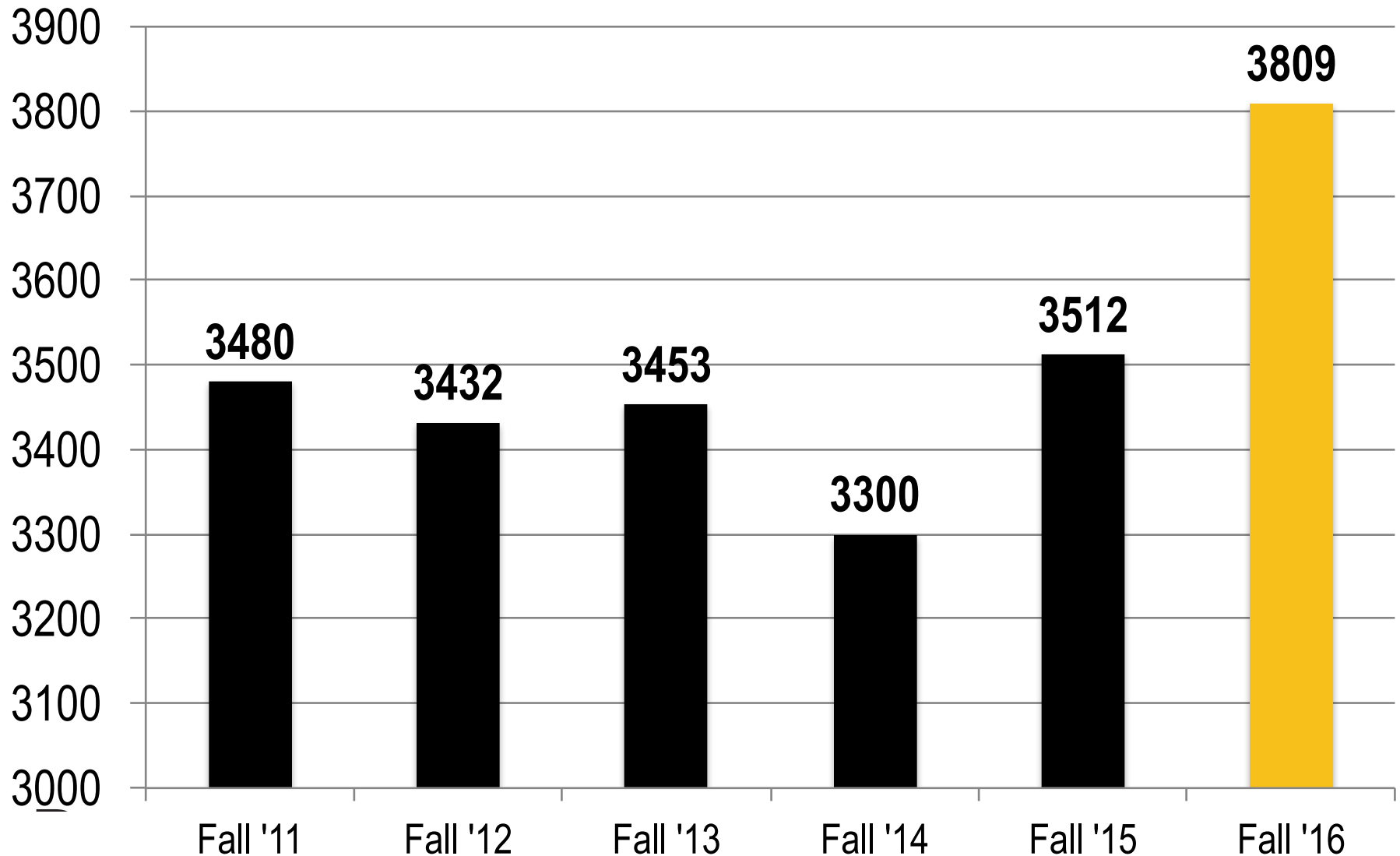
**+24% Underrepresented Minorities**

**-5% International Students**

**Top Indiana Academic Profile & Improving**

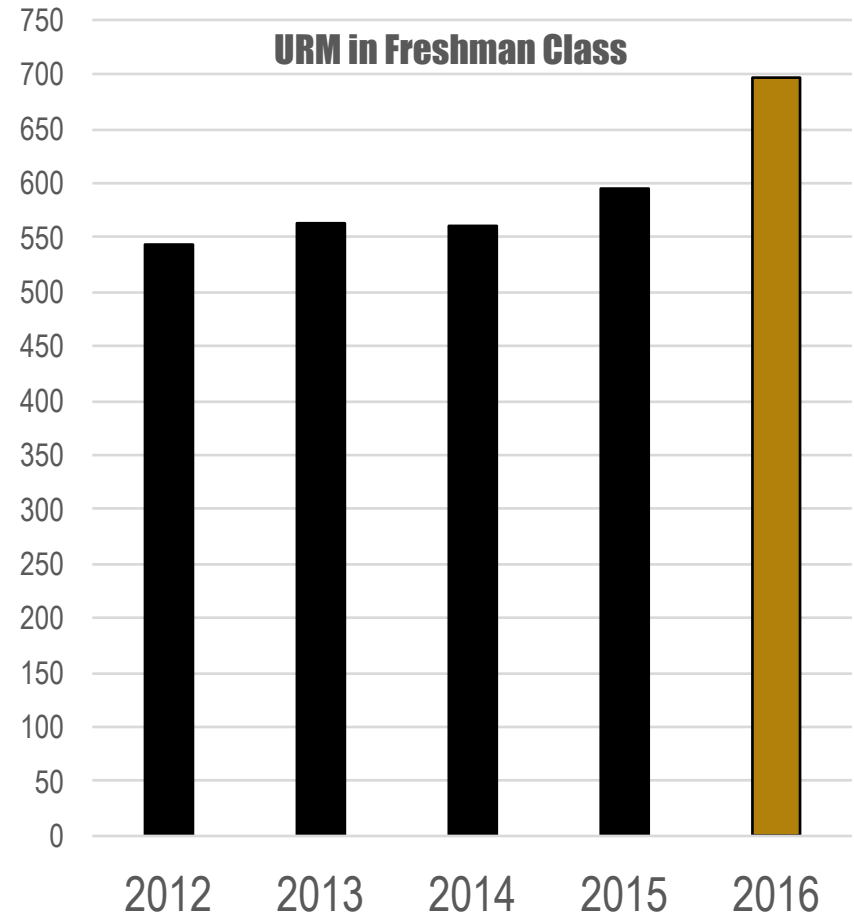
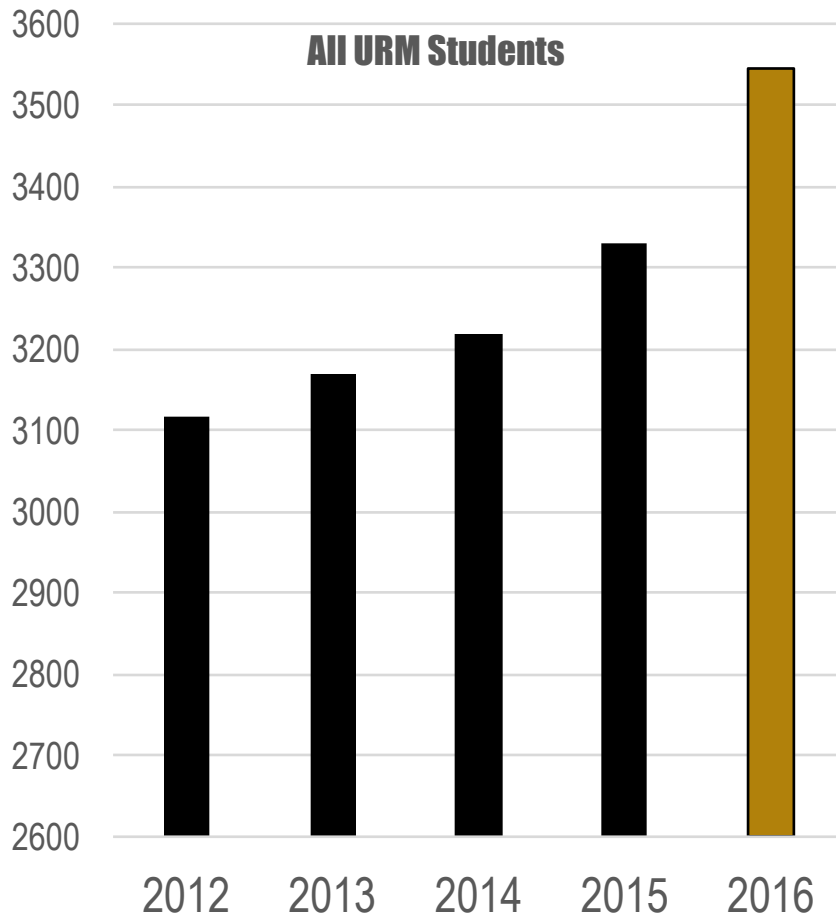
# MORE HOOSIERS

## RESIDENT NEW FRESHMEN



# MORE DIVERSITY

## UNDERREPRESENTED MINORITY STUDENT ENROLLMENT

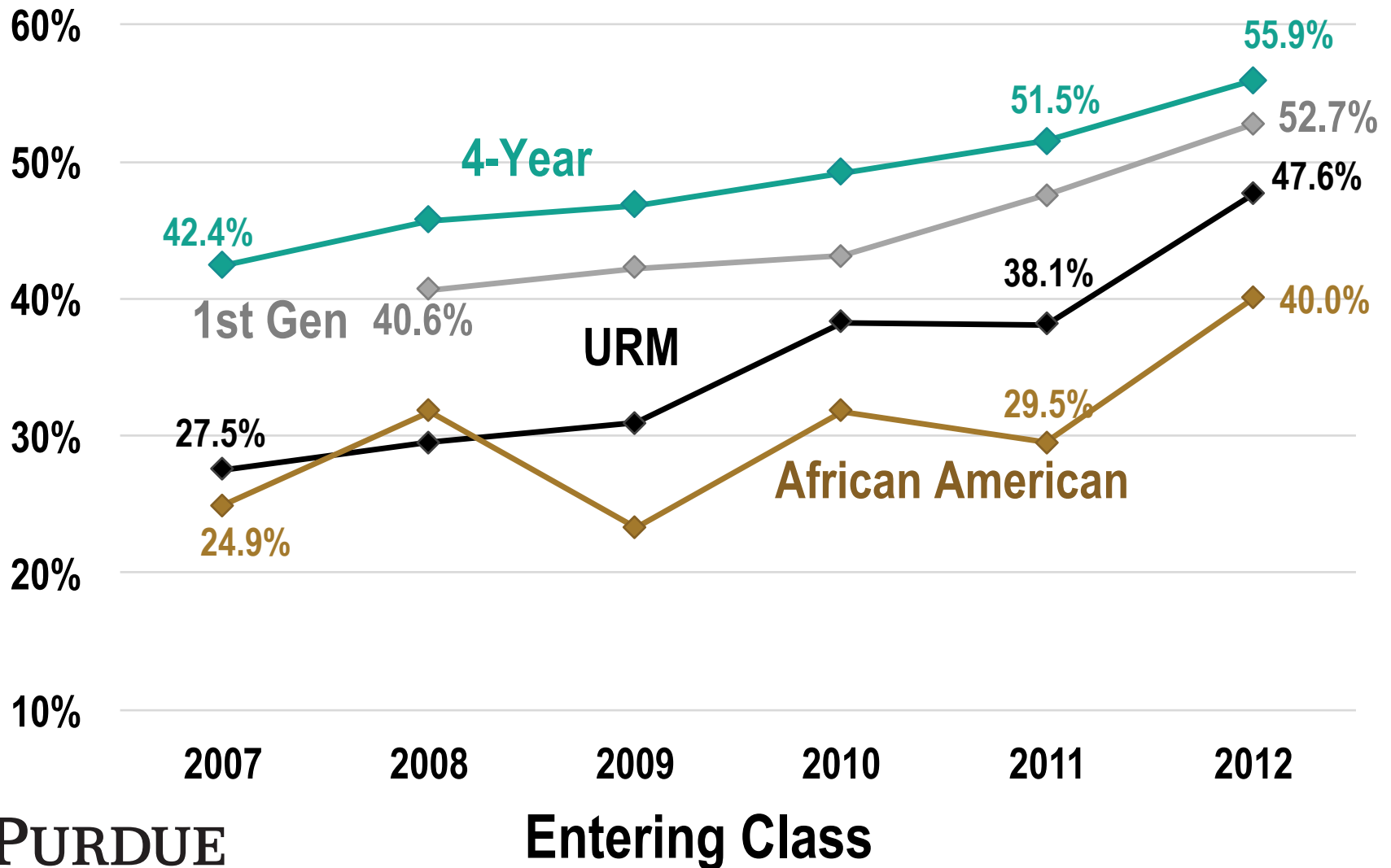


**By percent & number, most diverse student body in Purdue history**

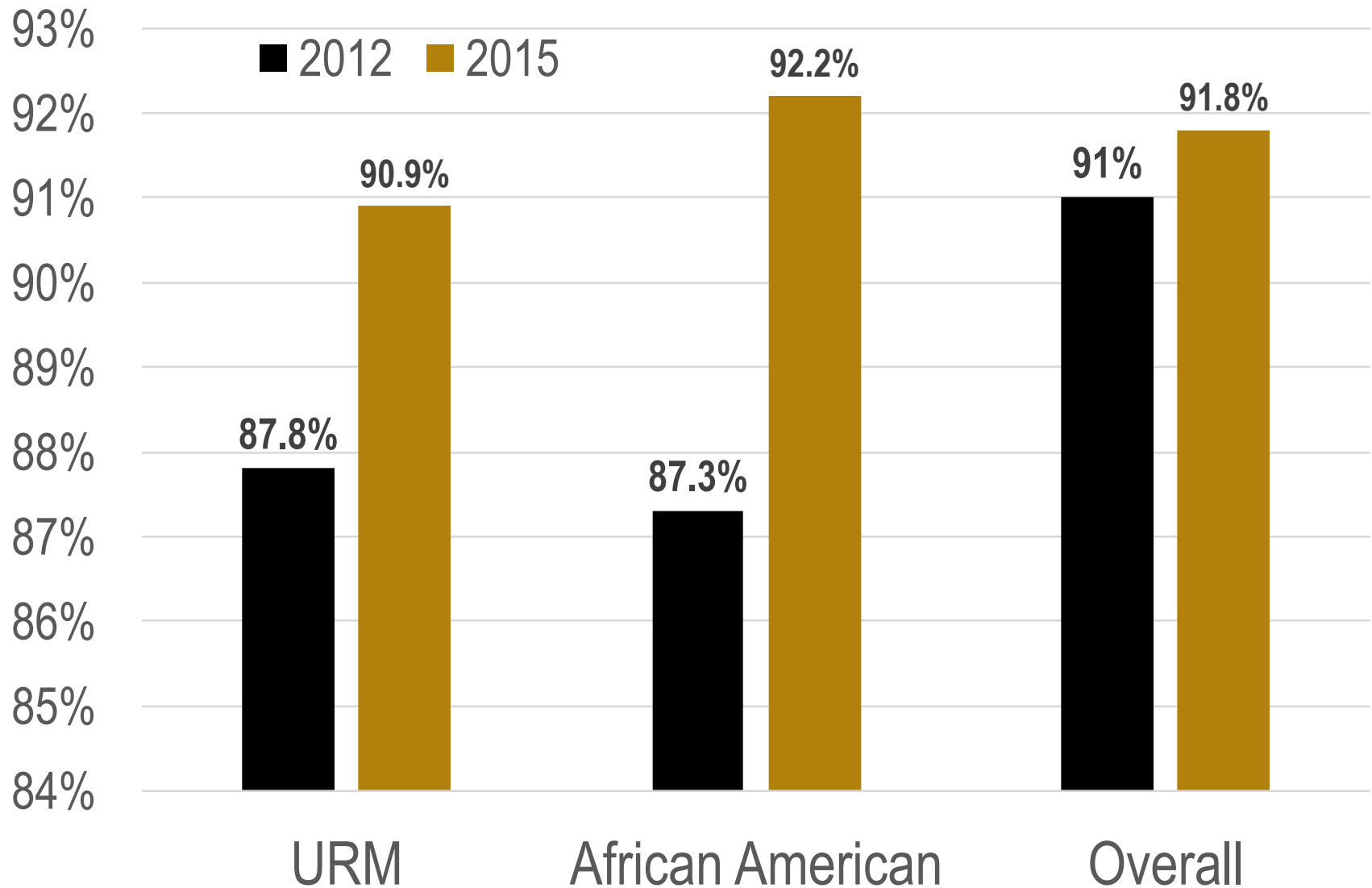
# MORE STUDENT SUCCESS

## 4-YEAR GRADUATION RATES

**4321!**  
**GRADUATE!**



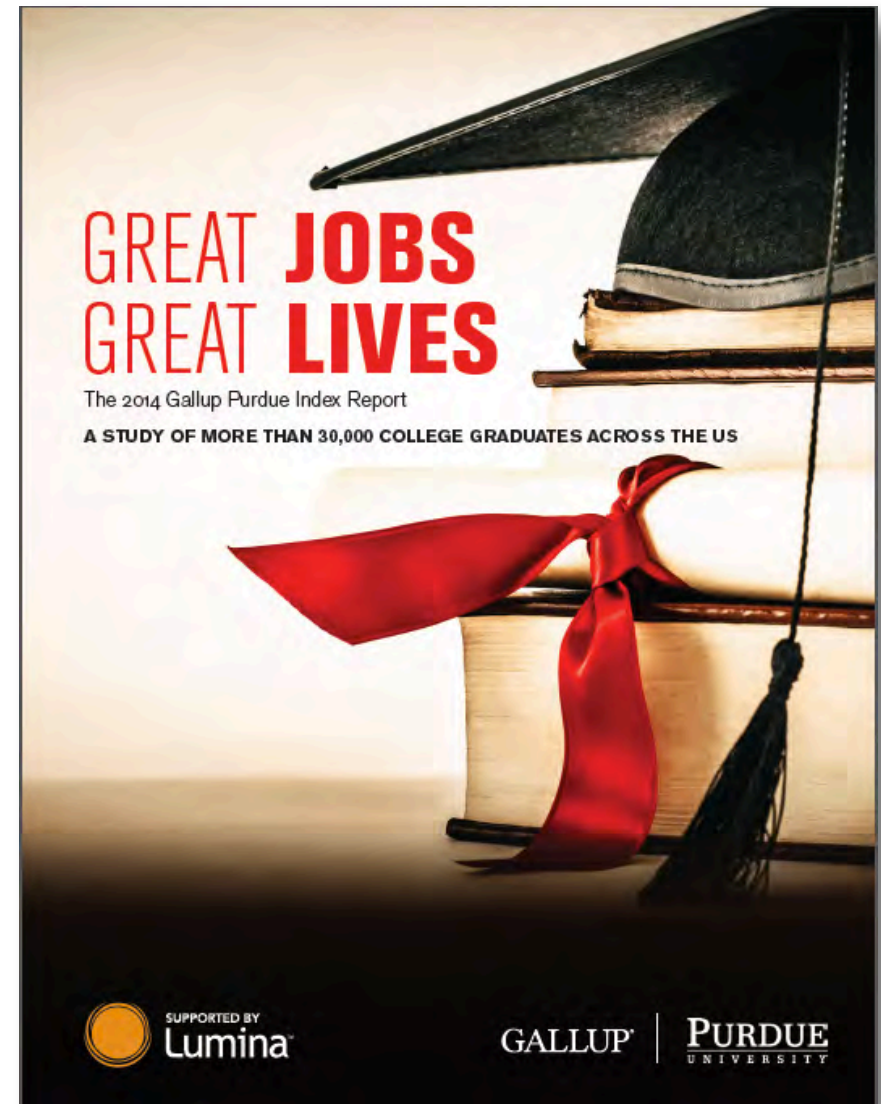
# MORE RETENTION OF UNDERREPRESENTED STUDENTS





# MORE MEASUREMENT: GALLUP PURDUE INDEX

“It's not *where* you go to college, it's *how*.”



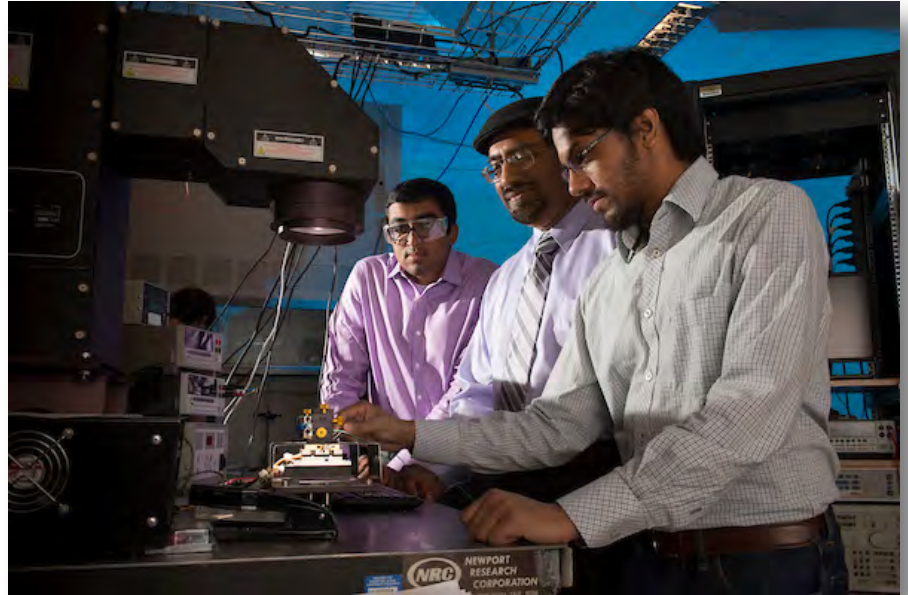
# MORE MENTORING

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**Effective January 2016:**

“Commitment to active and responsive mentorship, as well as an active role in mentoring, advising and supporting the academic success of students and postdoctoral scientists, will also be documented as part of the process that defines tenure and promotion.”

*-Revised Purdue Promotion & Tenure Policy*







# MORE FOCUSED ON TEACHING & RESEARCH

	2013-14	2015-16	Change	% Change
Faculty, Adjuncts & Lecturers	3,156	3,376	220	6.97%
Staff*	6,988	6,873	-115	-1.65%

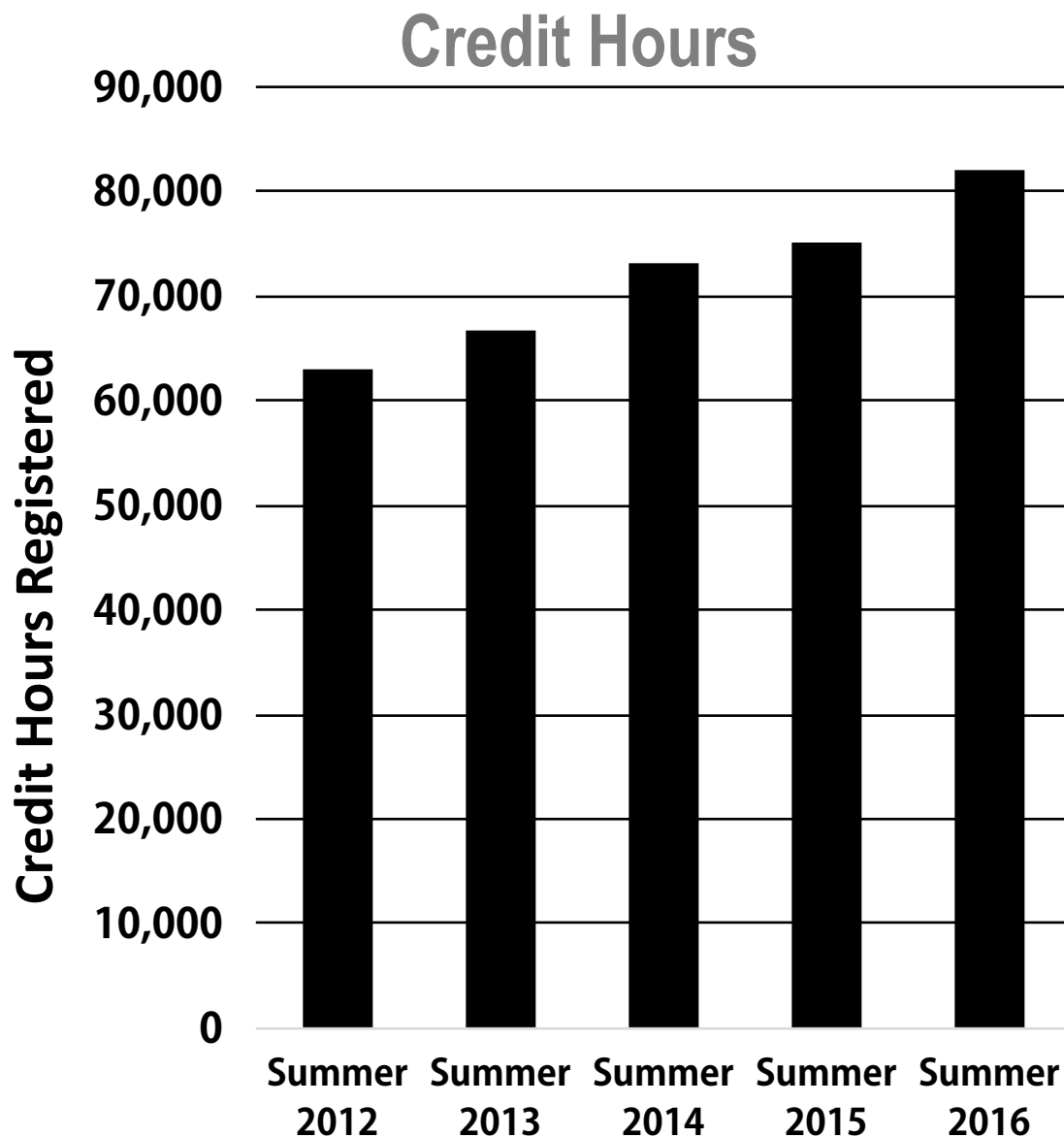
## Staff

Admin Staff		26
Clerical Staff		108
Service Staff		58

## Faculty & Instructors

Tenure / T. Track		83
Research, Clinical, P. Doc		110
Adjunct		15
Lecturers		42

# MORE YEAR-ROUND LEARNING



## Credit Hours

**9.3% from 2015**

**30% since 2012**

## Students

**7.9% from 2015**

**29% since 2012**



# MORE YEAR-ROUND LEARNING

## 1. Summer Start

- Year 1: 180 students (**22% URM**; **44% 1<sup>st</sup> Gen**; **74% Resident**)

## 2. Summer Stay

- Year 1: 100 students (**70% Resident**)

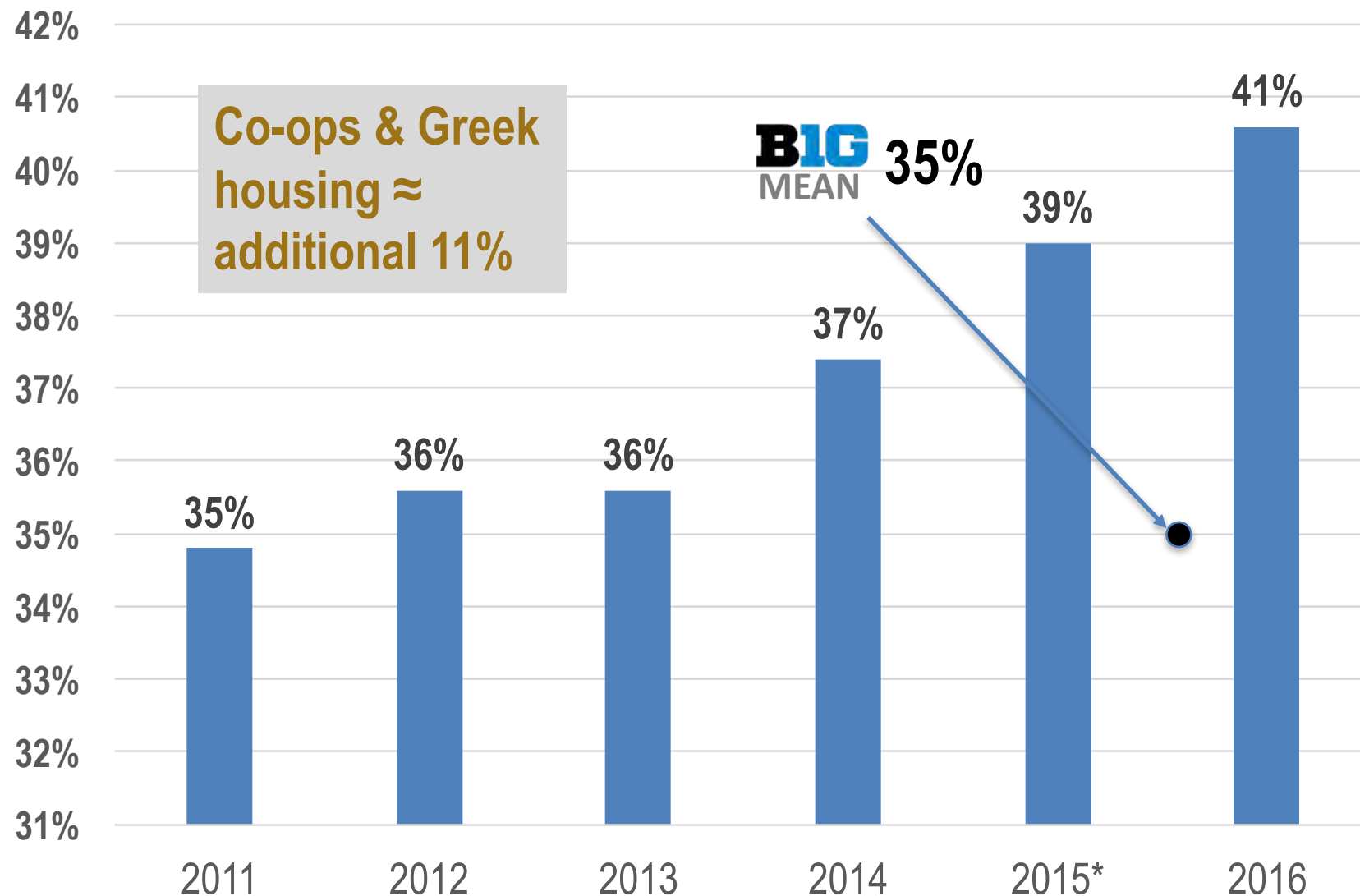
## 3. Summer Finish *(Planned for 2017)*

- Targets students who are 6-9 credit hours from graduating




# MORE ON-CAMPUS LIVING

% of undergraduates living on campus



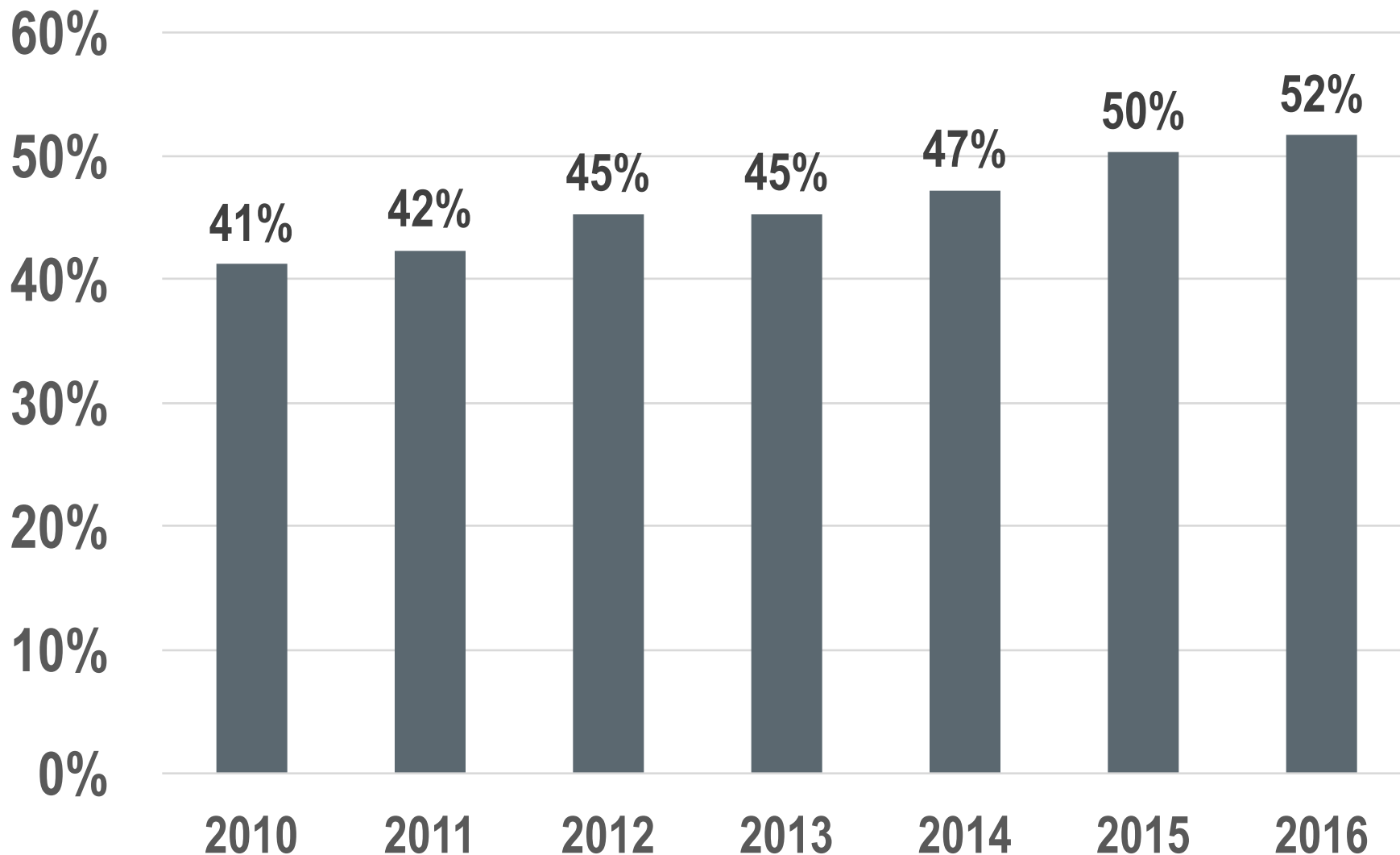
# MORE STEM

	College of Engineering	Computer Science	Polytechnic Institute
# Added since $\approx$ 2012 compared to long-term growth targets	97 / 107 faculty	10 / 15 faculty	16 / 36 faculty
	1,950 / 1,500 <i>students</i>	1,275 / 710 <i>students</i>	475 / 860 <i>students</i>

**Agricultural & Biological Engineering  
Enrollment  74% since 2004**

# MORE STEM

% OF GRADUATES IN STEM





# MORE STEM: PURDUE POLYTECHNIC INSTITUTE

- Renamed in 2015
- 1<sup>st</sup> accredited competency-based degree program in U.S.
- 750 freshmen enrolled in Fall 16 (Strong resident & URM representation)
- 26 new majors (6 new; 20 formerly concentrations)
- ≈100% of courses include learn-by-doing lab work



## Examples of new majors

- Audio Engineering
- Unmanned Aerial Systems
- Aerospace Financial Analysis
- Robotics Engineering
- Airline Management

# PURDUE POLYTECHNIC HIGH SCHOOL





**Opening Fall 2017**



Downtown Indianapolis: PR Mallory Building



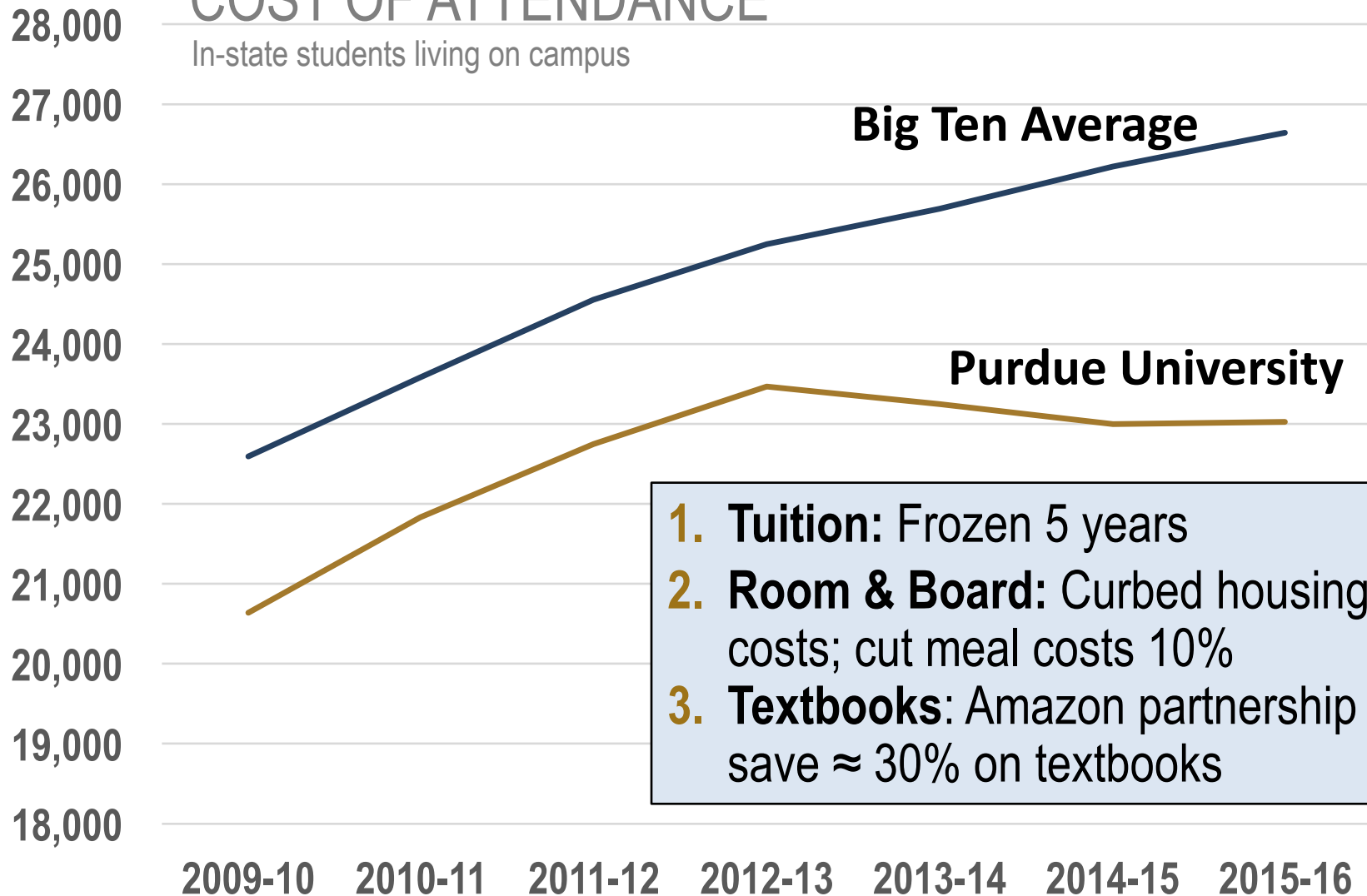
# MORE ECONOMIC IMPACT

Economic Driver	2012	2013	2014	2015	2016	Trend
<b>Research Awards in Millions</b> <i>+\$52M over 2012</i>	\$351	\$319	\$389	\$401	\$403	
<b># of U.S. Patents</b> <i>2X 2012</i> No. 15 in world	54	66	100	122	118	
<b># of Licenses</b> <i>2X 2012</i>	77	87	120	131	147	
<b># of Startup Companies</b> <i>5X 2012</i>	5	8	24	25	27	

# MORE AFFORDABILITY

## COST OF ATTENDANCE

In-state students living on campus



1. **Tuition:** Frozen 5 years
2. **Room & Board:** Curbed housing costs; cut meal costs 10%
3. **Textbooks:** Amazon partnership to save  $\approx$  30% on textbooks



# MORE STUDENT SAVINGS ON ROOM & BOARD

2013 RATES	Rate	Ranking
MICHIGAN	\$9,752	1
<b>PURDUE</b>	<b>\$9,700</b>	<b>2</b>
ILLINOIS	\$9,688	3
OHIO ST.	\$9,318	4
NEBRASKA	\$9,122	5
PENN ST.	\$8,990	6
INDIANA	\$8,853	7
MICHIGAN ST.	\$8,476	8
IOWA	\$8,243	9
WISCONSIN	\$8,024	10
MINNESOTA	\$8,000	11

2016 RATES	Rate	Ranking
RUTGERS	\$12,054	1
OHIO ST	\$11,666	2
MARYLAND	\$10,971	3
MICHIGAN	\$10,554	4
ILLINOIS	\$10,332	5
NEBRASKA	\$10,310	6
PENN ST.	\$10,150	7
INDIANA	\$9,795	8
IOWA	\$9,685	9
MICHIGAN ST	\$9,474	10
<b>PURDUE</b>	<b>\$9,414</b>	<b>11</b>
WISCONSIN	\$8,828	12
MINNESOTA	\$8,744	13

2014 RATES	Rate	Ranking
MICHIGAN ST	\$10,050	1
ILLINOIS	\$9,980	2
<b>PURDUE*</b>	<b>\$9,654</b>	<b>3</b>
NEBRASKA	\$9,532	4
OHIO ST.	\$9,440	5
PENN ST.	\$9,370	6
INDIANA	\$9,149	7
IOWA	\$9,066	8
MICHIGAN ST	\$8,806	9
MINNESOTA	\$8,312	10
WISCONSIN	\$8,287	11

2017 RATES	Projected Ranking
RUTGERS	1
OHIO ST	2
MARYLAND	3
MICHIGAN	4
NEBRASKA	5
ILLINOIS	6
PENN STATE	7
INDIANA	8
IOWA	9
MICHIGAN ST	10
<b>PURDUE</b>	<b>11</b>
WISCONSIN	12
MINNESOTA	13

2015 RATES	Rate	Ranking
RUTGERS	\$11,749	1
MARYLAND	\$10,633	2
MICHIGAN	\$10,246	3
ILLINOIS	\$10,196	4
NEBRASKA	\$9,961	5
OHIO ST	\$9,830	6
PENN ST	\$9,770	7
INDIANA	\$9,493	8
<b>PURDUE</b>	<b>\$9,414</b>	<b>9</b>
IOWA	\$9,389	10
MICHIGAN ST	\$9,154	11
MINNESOTA	\$8,554	12
WISCONSIN	\$8,546	13



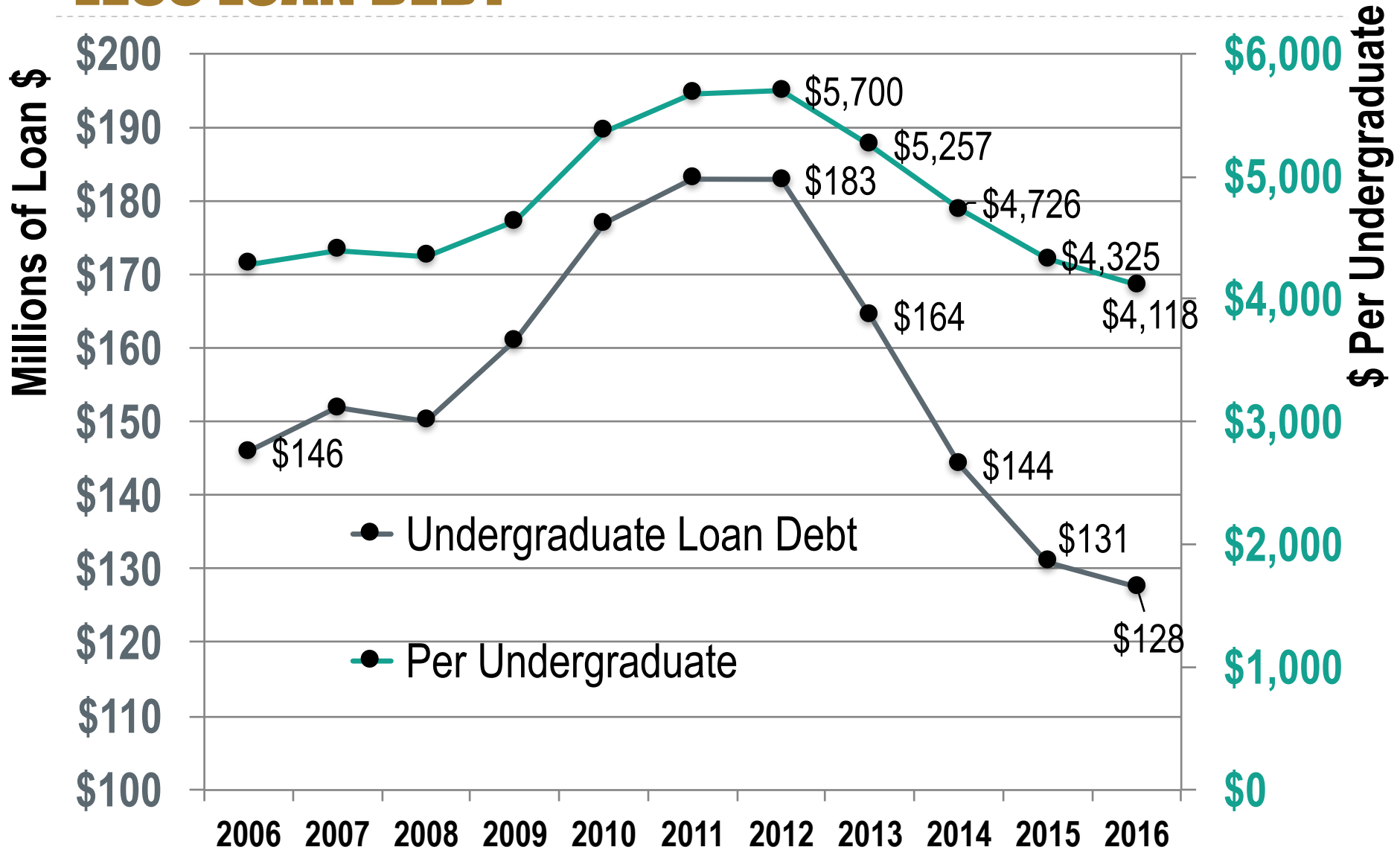
# MORE FOR HOOSIERS TO SPEND ON OTHER PRIORITIES

## Without Purdue's affordability measures:

- Resident tuition & fees would be **\$1,000+** more per year if we had raised rates at the average increases of 4-year public universities
- Purdue families would have **\$226+ million** less to spend on other needs\*



# LESS LOAN DEBT

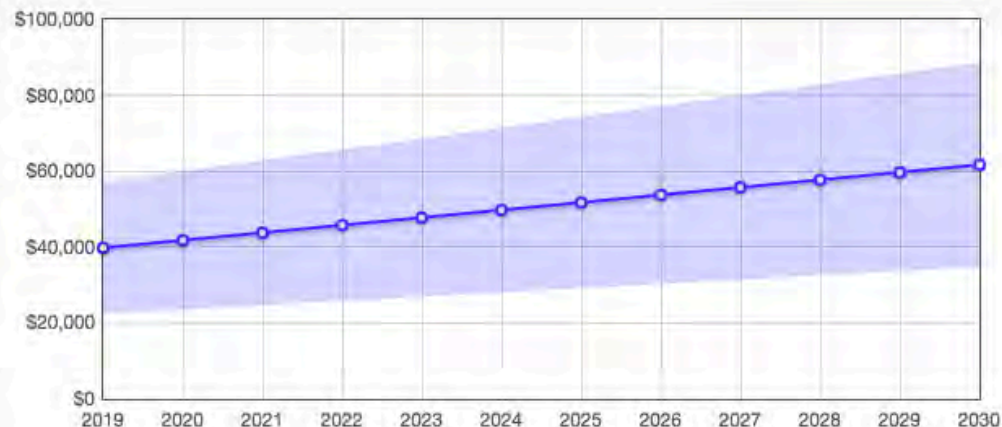


# MORE DEBT ALTERNATIVES

## BACK-A-BOILER INCOME SHARE AGREEMENTS

- 150 participated in Fall 2016
  - 10% of private loan market
- Average \$14K dispersed per student with 7-9 years of payment
- 70 majors represented

**Financial Advising &  
Free Online Comparison  
Tool Available**



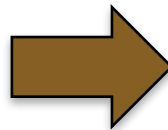


# MORE EFFICIENT REGIONAL SYSTEM

**PURDUE** **PURDUE**  
UNIVERSITY UNIVERSITY  
CALUMET NORTH CENTRAL

## Administrative functions duplicated at both campuses

- Information Technology
- Facility Management
- Human Resources
- Accounting, purchasing & other business services
- Enrollment Management



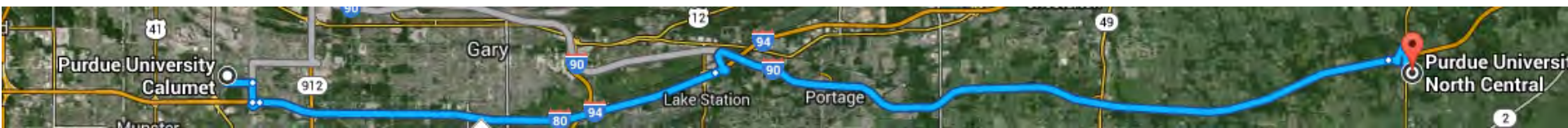
**PURDUE**  
UNIVERSITY  
NORTHWEST

## Savings reinvested

- Hiring faculty
- Improving student support
- Enhancing affordability

### Recurring Budget Savings

Salaries & Wages	816,623.00
Fringe Benefits	244,662.42
<b>Total Recurring</b>	<b>1,061,285.42</b>



# MORE EFFICIENT REGIONAL SYSTEM

## University Strategic Alignment Process (USAP)

Discipline	Degree Enrollment	Degrees awarded in 2015	Instructors
Sociology	30	8	12
Languages	48	9	21
Philosophy	26	3	11



INDIANA UNIVERSITY  
PURDUE UNIVERSITY  
FORT WAYNE

# MORE EFFICIENT REGIONAL SYSTEM

Total Enrollment	2011	2016	5-year change	5-year % change
Northwest Total	15,065	15,286	221	1.5%
IPFW Total	10,983	8,531	-2,226	-22%
<i>PU Programs @ IPFW</i>	4,956	4,277	-679	-14%
<i>IU Programs @ IPFW</i>	6,027	4,254	-1,773	-29%

FY 2017 Budget	Northwest	IPFW
Expenditures	\$175 M	\$175 M
Surplus / Deficit	\$339 K	(2.8 M)

## IPFW Tuition & Fee Revenue:

↓ **\$7.8M** from 2011-15

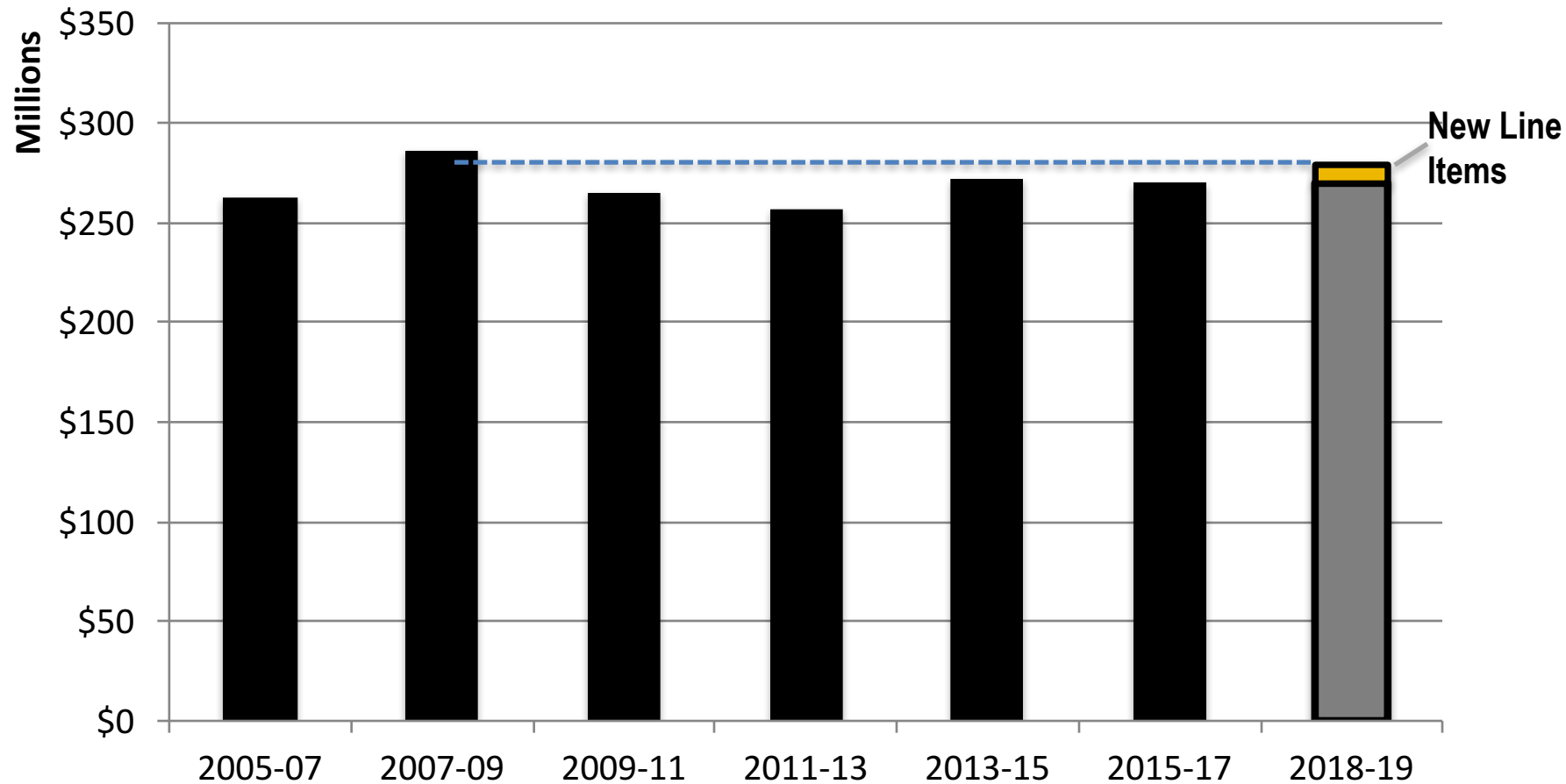
↓ **\$1.2M** for FY16

# KEY OPERATING QUESTIONS

1. How do we add value to a Purdue education?
2. How do we add value to the state?
3. In what new ways can we partner with the state to add value for Hoosier taxpayers?

$$\frac{\text{QUALITY}}{\text{COST}} = \text{VALUE}$$

# WL APPROPRIATIONS\* + LINE ITEMS



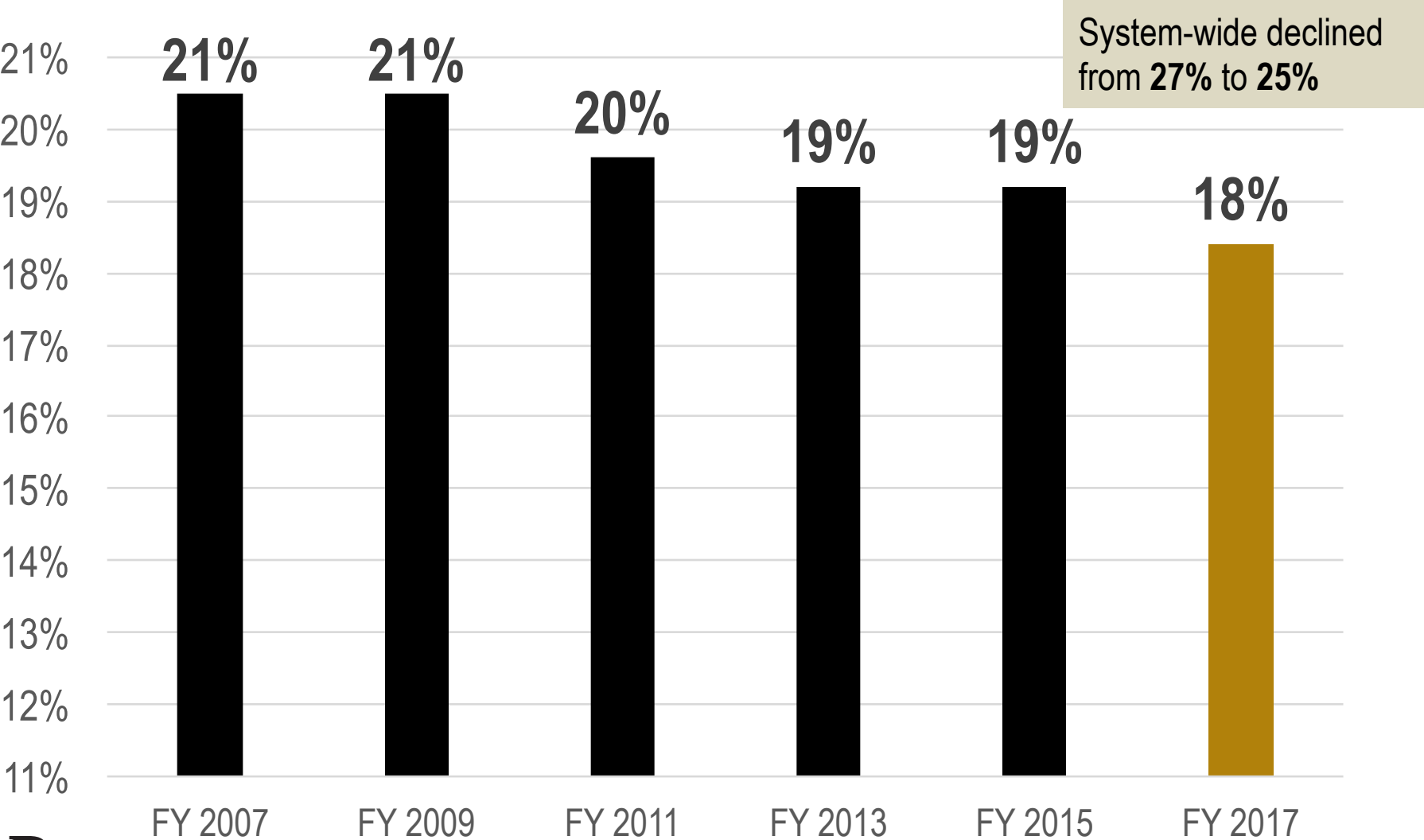
New Line Items	FY 2018 Request	FY 2019 Request
Purdue Moves	\$4M	\$4M
Think Summer	\$5.5M	\$5.5M

\*Excludes ADDL & Dual Credit. Assumes no change in operating appropriations.



# DECLINING SHARE

Purdue WL operating appropriations as a percent of all appropriations



# NEW LINE ITEM REQUESTS

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## **Purdue Moves** \$4 Million

- Growing Engineering
- Growing Computer Science
- Growing Purdue Polytechnic



## **Think Summer** \$5.5 Million

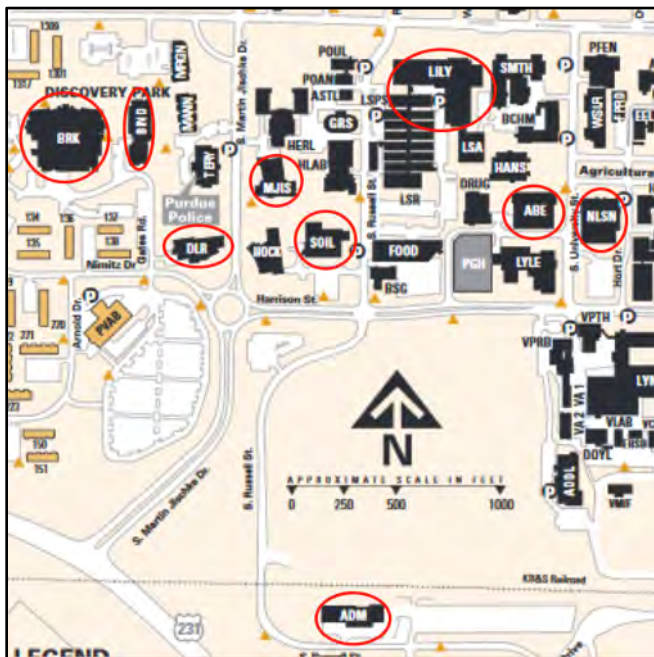
- Summer **Start**
- Summer **Stay**
- Summer **Finish**



# ABE RENOVATION & ADDITION

## CAPITAL PRIORITY

- **Construct** new 125,000 GSF
- **Renovate** Existing 37,250 GSF
- **Cost:** \$80 Million



**Enrollment**  **74%**  
**since 2004**

**#1** in **U.S.**  
**Agricultural &  
Biological Engineering**  
Graduate Program  
**8 consecutive years**

**#1** in **U.S.**  
**Agricultural &  
Biological Engineering**  
Undergraduate Program  
**6 consecutive years**


$$\frac{\text{QUALITY}}{\text{COST}} = \text{VALUE}$$

**Higher Education at the Highest Proven Value**





PURDUE  
UNIVERSITY®



# PURDUE INNOVATION DISTRICT

